Applicant : Lin Zhi et al.

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Amendment and Response

Filed: February 22, 2002

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph on page 37, lines 3-11 as follows:

Scheme II describes the synthesis of angular and linear indole/indoline analogues of structures 13-17. Treatment of 6-amino-2-quinolinones of structure 8 with NaNO₂ in strongly acidic conditions such as concentrated HCl generates hydrozines hydrazines of structure 9. Reaction of compound of structure 9 with a ketone such as structure 10 in acidic conditions affords a mixture of pyrroloquinolinones of structures 11 and 12, which can be separated by chromatography. Reductive alkylation of the indole nitrogen atom in structure 11 or 12 with an acid or aldehyde in the presence of a reducing agent such as NaBH₄ results in the formation of the reduced and alkylated products of structure 13 or 14. Oxidation of structure 13 or 14 provides analogues of structure 15, 16 or 17.

Please amend the paragraph on page 39, lines 1-5 as follows:

Scheme IV describes the preparation of tricyclic compounds of structure 26 by Fischer indole synthesis. Treatment of the 5-aminoquinolinone of structure 24 with NaNO₂ in acidic conditions provides the hydrozine hydrazine intermediates of structure 25. Condensation of the hydrozine hydrazine (structure 25) and a ketone of structure 10 followed by acid catalyzed cyclization afford compounds of structure 26.